

Design

Inner conductor: Stranded tinned wire 19 X 0.18	∅ 0.93 mm
Insulation of Polyethylene (PE)	∅ 2.85 mm
1. Shield braiding of tinned copper wires 0.13 mm dia Coverage about 80%	∅ 3.4 mm
2. Shield braiding of tinned copper wires 0.13 mm dia Coverage about 80%	∅ 3.9 mm

Jacket:

Thermoplastic copolymer (FRNC) BK	
Wall thickness about 0.6 mm	∅ (5.1 ±0.15) mm

Printing: LEONI L * RG223 FRNC * 2YCCH 0.9/2.95-50 LI VZN
Textintervals about 500 mm

Electrical data

Conductor resistance	≤	37	Ohm/km
Insulation resistance	≥	10	GOhm*km
Operating voltage (peak)	≤	300	V
Characteristic impedance		(50 ±2)	Ohm
Capacitance 800 Hz	≈	105	nF/km
Rel. velocity of propagation		66	%
Test voltage (wire/screen rms 50Hz 1min)		2000	V

Frequency (MHz)	50	100	200	300	500	1000	2000	2500
Attenuation typ. (dB/100m) (dB/100ft)	10 (3,05)	15 (4,57)	21,6 (6,58)	27,3 (8,32)	36,8 (11,22)	55,3 (16,85)	83,3 (25,39)	96,6 (29,44)

Mechanical and thermal characteristics

Conductor/Screen material acc. to DIN EN 13602 Cu-ETP-A...-B
Flame retardant acc. to IEC 60332-1-2
UL-Style 1375

Other characteristics:

Similar RG 223 with double shield
RoHS compliant (Directive 2011/65/EC)
Low Smoke, Fire retardant, Zero Halogen
Corrosivity of fumes acc. to IEC 60754-2
Smoke-density acc. to IEC 61034
UV-resistant

Permissible temperature range : - 25°C up to + 80°C
Min. bending radius allowed : repeated 10X ∅ , single 5X ∅
Weight about : 44 Kg/km

Designation of order:

L45466-B13-B176 / 202603
2YCCH 0.9/2.95-50 LI VZN FRNC
1000 m on non-returnable reel

